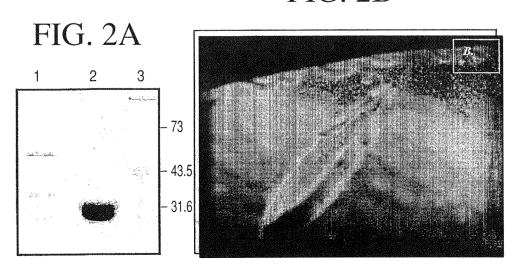
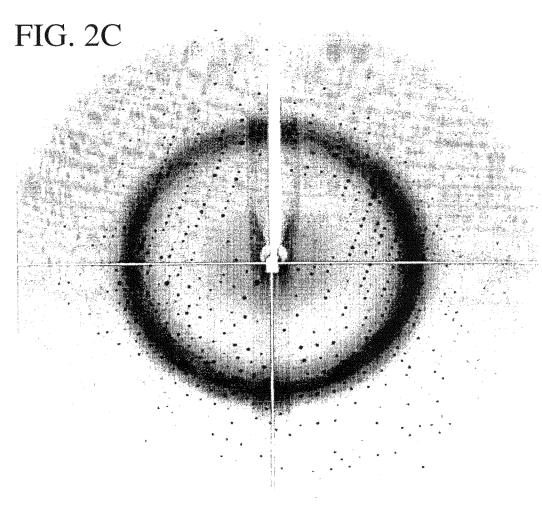


FIG. 1D

FIG. 2B





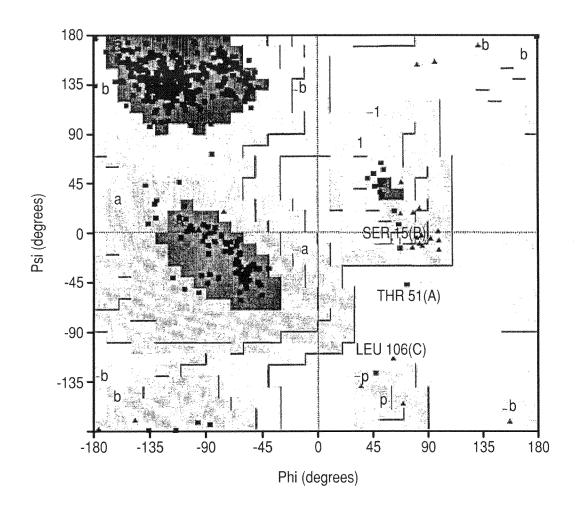
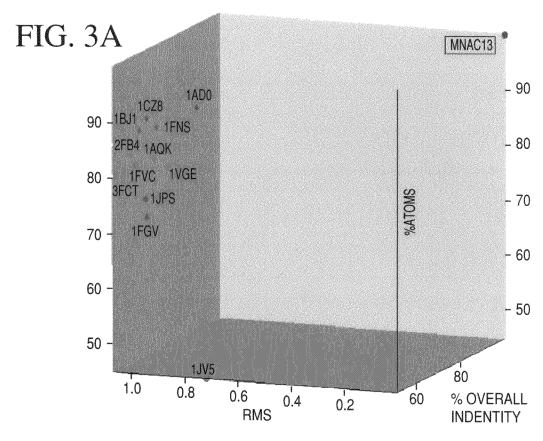
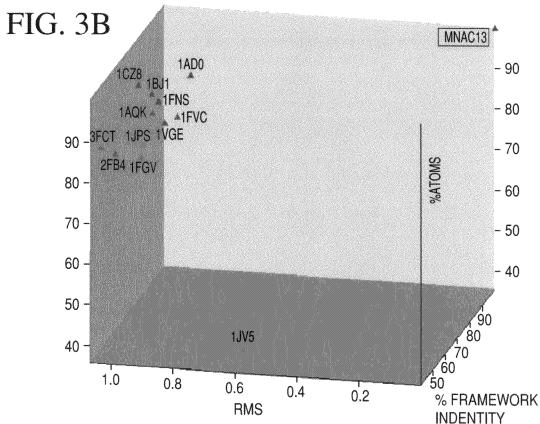
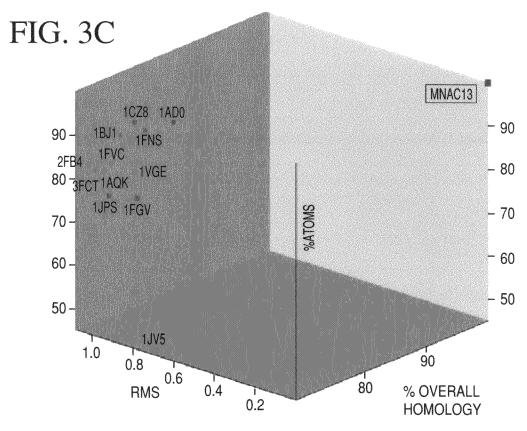
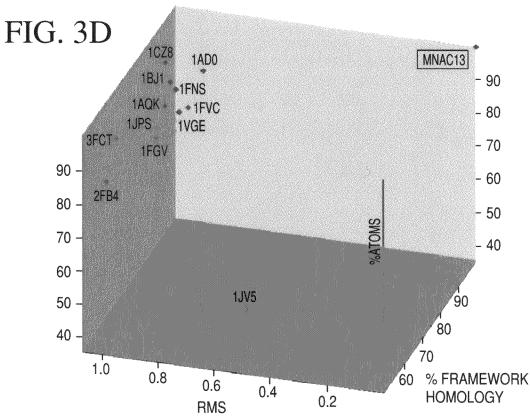


FIG. 2D



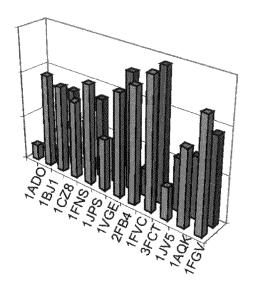








Homology with MNAC13



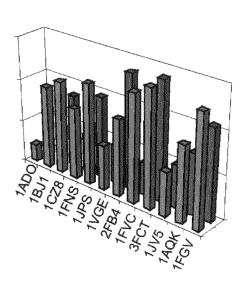


FIG. 3E

FIG. 3F

FIG. 3G

FIG. 3H

FIG. 3I

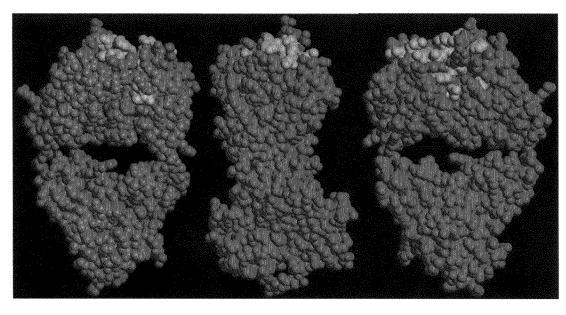
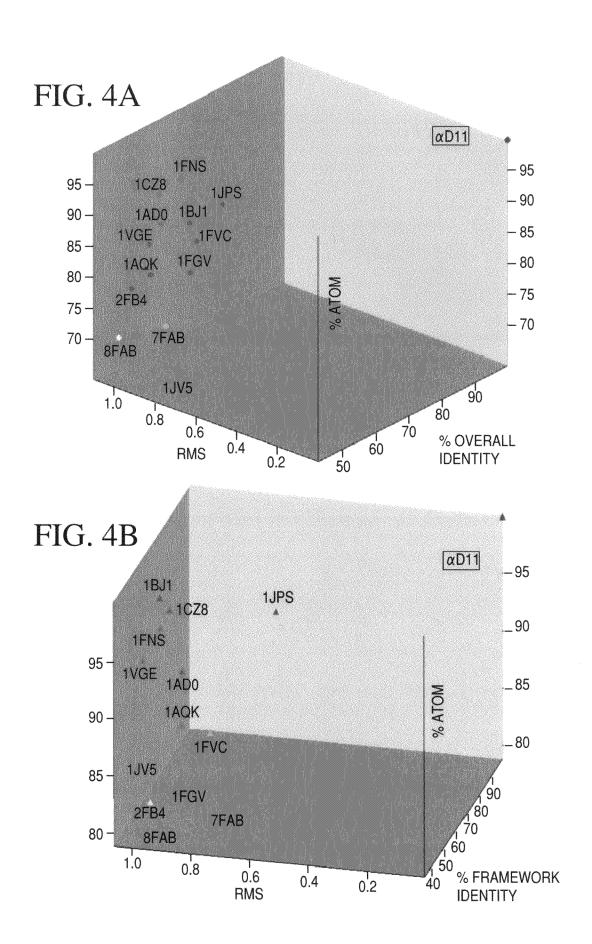
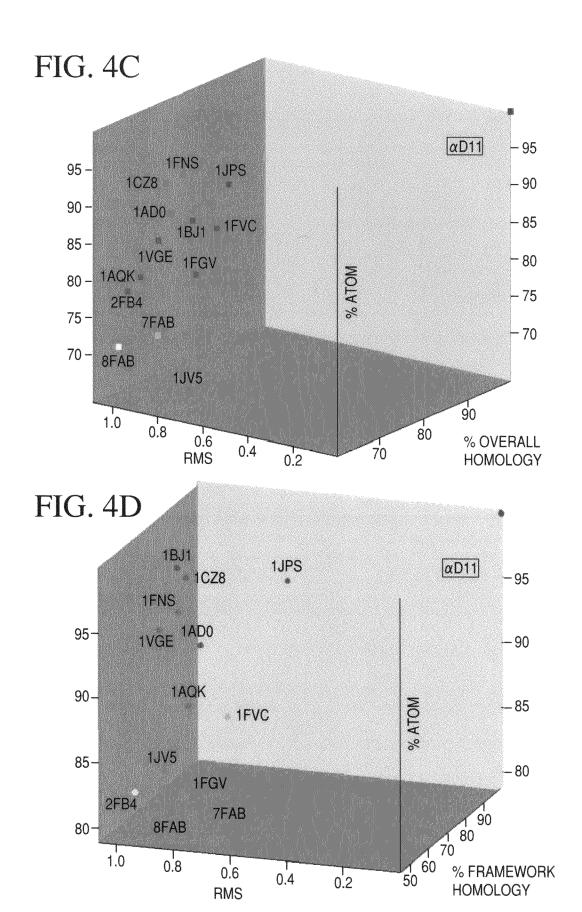
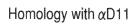


FIG. 3J





Identity with $\alpha D11$



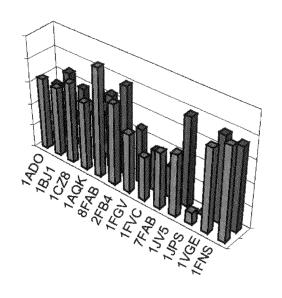


FIG. 4E

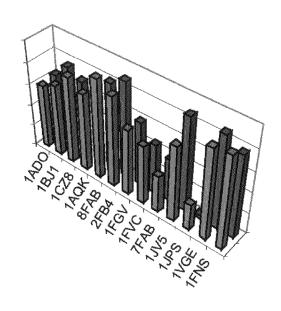


FIG. 4F

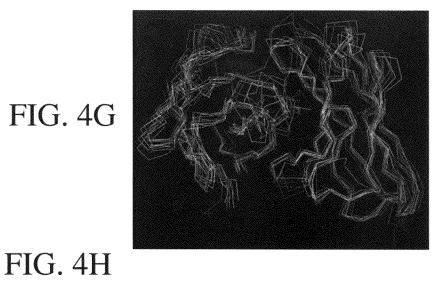


FIG. 4I

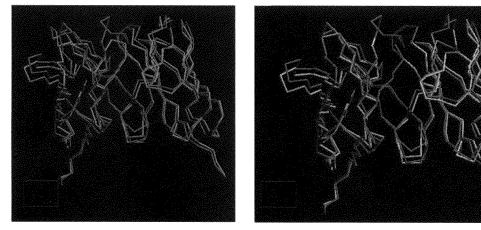


FIG. 4J

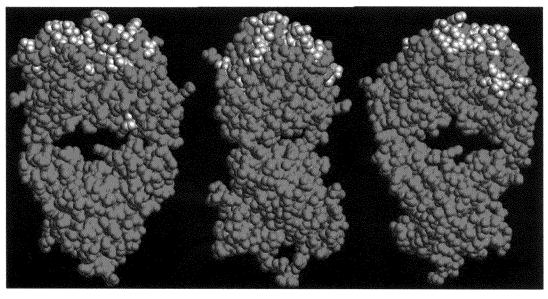


FIG. 5

A. Fv fragment of	of heavy chain			
• •	* •	20	40	
MNAC13	EVKLVESGGGLVQPGGS	SLKLSCAASGFTFS'	TYTMSWARQTPEKRLEW 	VAYISKG
1AD0	EVQLLESGGGLVQPGGS	SLRLSCATSGFTFT	DYYMNWVRQAPGKGLEW	LGFIGNKAN
Hum MNAC13	EVQLLESGGGLVQPGGS	SLRLSCAASGFTFS	<u>TYTMS</u> WARQAPGKGLEW	VAYISKG
	60	80		100
MNAC13	GGSTYYPDTVKGRFTIS	SRDNAKNTLYLQMS	SLKSEDTALYYCARGAM	FGNDFFFPMD
1AD0	GYTTEYSASVKGRFTIS	SRDKSKSTLYLOMN	TLQAEDSAIYYCTRDR-	GLRFYFD
Hum MNAC13			SLRAEDSAVYYCARGAM	
			900millAtio/9900	
MNAC13	RWGQGTSVTVSSA			
1AD0	YWGQGTLVTVSSA			
Hum MNAC13	RWGQGTLVTVSSA			
	gues			
B. Fv fragment	of light chain			
	* 0			
		20	40	
MNAC13	DIVLTQSPAIMSASLGE	EVTLTCSASSSVSY	MHWYQQKSGTSPKLLI)	TTSNL
1AD0	QTVLTQSPSSLSVSVGD	RVTITCRASSSVTY	THWYQQKPGLAPKSLIY	MATSNL
Hum MNAC13	DIVLTQSPSSLSASVGD	RVTITC <u>SASSSVSY</u>	WHWYQQKPGQAPKLLI	TTSNL
	60	80	100)
MNAC13	ASGVPSRFSGSGSGTFY	SLTISSVEAEDAAL	YYCHQWSSYPWTFGGG	CKTEIK
1AD0	ASGVPSRFSGSGSGTDY	TFTISSLQPEDIAT	YYCQHWSSKPPTFGQG	CKVEVK
Hum MNAC13	ASGVPSRFSGSGSGTDY	TLTISSLQPEDVAI	YYCHQWSSYPWTFGGG	CKVEIK

FIG. 6

A. Fv fragment of heavy chain

2M I v jruginom (of neury count
	20 40
αD11	QVQLKESGPGLVQPSQTLSLTCTVSGFSLTNNNVNWVRQATGRGLEWMGGVWAG-G
1JPS	EVQLVESGGGLVQPGGSLRLSCAASGFNIKEYYMHWVRQAPGKGLEWVGLIDPEQG
Hum aD11	EVQLVESGGGLVQPGGSLRLSCAASGFSLTNNNVNWVRQAPGKGLEWVGGVWAG-G
	60 80 100
αD11	ATDYNSALKSRLTITRDTSKSQVFLKMHSLQSEDTATYYCARDGGYSSSTLYAMD
1JPS	NTIYDPKFQDRATISADNSKNTAYLQMNSLRAEDTAVYYCARDTAAYFD
Hum aD11	<u>ATDYNSALKS</u> RFTISRDNSKNTAYLQMNSLRAEDTAVYYCARDGGYSSSTLYAMD
αD11	AWGQGTTVTVSA
1JPS	 YWGQGTLVTVSS
Hum α D11	AWGQGTLVTVSS
B. Fv fragment	of light chain
	20 40
αD11	DIQMTQSPASLSASLGETVTIECRASEDIYNALAWYQQKPGKSPQLLIYNTDTL
1JPS	DIQMTQSPSSLSASVGDRVTITCRASRDIKSYLNWYQQKPGKAPKVLIYYATSL
Hum αD11	DIQMTQSPSSLSASVGDRVTITC <u>RASEDIYNALA</u> WYQQKPGKAPKLLIYNTDTL
	60 80 100
αD11	HTGVPSRFSGSGSGTQYSLKINSLQSEDVASYFCQHYFHYPRTFGGGTKLELK
1JPS	AEGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCLQHGESPWTFGQGTKVEIK
Hum $\alpha D11$	<u>HT</u> GVPSRFSGSGSGTDYTLTISSLQPEDFATYFCQHYFHYPRTFGQGTKVEIK

L UII

A) MAYACIS VI

GEG GEG CEG AGT AGT AGT AGT ACT IGC ACC TAT ATC ATT ACA GGA CIA 를 다 되었다. 당한 다 되었다. ATC GAG AAG TAT GAG වු 966 171 ACC 668 GGG AGG TCT GCA AAG TCA (AGT GGG AGT TGG AGT CAG 960 CAG CAG CATE REC GCA TIC TIC TIC S 13G 13G 탈멸병 ATG CCT GAT CAG TAC GTC GCC GATA GATA GATA

B) MN/4CI3 VII

GGA AGT ACC AAC TCT APT ABC GCC TAC AAG TGT GTC 13CC 13CC 13CC 13CC 13CC 88 CTC GAG GAG AGA CIG AGG ATC AAG GAG 명 당 당 당 सु हुई हु CAG CAG AAG GAC 등 등 당 및 당 AAG 199 GGG ATG CIG TAC ACC TAC AGT GAG TAT ACC AGC ACC PGG ed 로 PTC PTC GGT CTG GGT CTG GAG TIC GAT GAT GAT

C) MNACIS GRAFTED VI.

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D) MNACIS GRAFTED VII

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GCG ACC CCA GIT CCT TGG GAC CAG TGG CAG AGG 3'

FIG. 7 continued

E) OLIGOS TO SYNTHESIZE MVACI3 VI

ACA GGC GTG CAC TCC GAC ATT GTT CTC ACC CAG TCT CCA TCC AGC CTG TCT GCG TCT GTC GGG GAC CGG GTC ACC ATT

OLIGO L2AS

GAC CTG CTG GTA CCA GTG CAT GTA ACT CAC ACT AGA GCT GGC GCT GCA GGT AAT GGT GAC CCG GTC CCC פככ הפפ כתה

SET ODITO

TG ij GIIC GGA IGG TAC CAG CAG AAG CCA GGC AAG GCT CCC AAG CTC CTG ATT TAT ACT ACA TCC AAC CTG GCT TCT

OLIGO LAAS

AGC GAT TGT GAG GGT ATA ATC GGT CCC AGA CCC ACT GCC GCT GAA GCG AGA AGG GAC TCC AGA CAG ACT ACT

ACG DOL CCA TAT $\overline{OLIGOL55}$ acc cic aca atc agt cig cag cct gaa gat tic gcc acc tat tac tgc cat cag igg agt agt

01.1G0 L6AS

ACT TAA GIT AGA TCT ATT CTA CTC ACG TTT TAT TTC CAC CTT GGT GCC TCC ACC GAA CGT CCA TGG ATA ACT

F) OLIGOS TO SYNTHESIZE MNAC13 VH

gg GGA ACA GGC GCG CAC TCC GAG GTG CAG CTG GAG TCT GGG GGA GGT TTA GTG CAG CCT GGA GGG TCC CTG CGC CTC TCC CCC TGG GGC CTG GCG AGC CCA GCT CAT GGT ATA GGT ACT GAA AGT GAA TCC AGA GGC TGC ACA GGA GAG GCG CAG OLIGO H2AS

GAC TEG GCT CGC CAG GCC CCA GGG AAG GGG CTG GAG TGG GTC GCA TAC ATT AGT AAA GGT GGT GGT AGT ACC TAC TAT CCA OLIGO H3S

ITG CAG GIA CAG GGT GIT CIT CGA GIT GIC CCT GGA GAT GGT GAA ICG GCC CIT TAC AGT GIC IGG ATA GIA GGT ACT

ACC

TLL AAG AAC ACC CTG TAC CTG CAA ATG AAC AGT CTG CGG GCT GAG GAC AGC GCC GTC TAT TAC TGT GCA AGA GGG GCT ATG

GGA GAC GGT GAC CAG GGT TCC TTG ACC CCA GCG GTC CAT AGG AAA GAA AAA ATC GTT ACC AAA CAT AGC CCC TCT TGC ACA OLIGO HGAS

A) COLLIVE

털目 IIC GAC 999 臣 다 당 뛶 S S 털 털 당당 SEC SEC GAT GAA GE GE 틸 ATIC CAA 다음 다음 다음 AAA AGC E E E AIC CTIG GAG ATTC AAC いい。 ATTA AAG 88 AAG 물 탕 SE ACC TAT TOT 딿 티 TCT GCA GGG AAA GG EB GGT ACE 88 TCC 뜅 ACG 당 당 99 티 eg eg 중 탕 털털털 TAT 98 38 99 99 99 TAT THE ATG TTC ATC CAG AAT GCT TCA CGA CAG CAC 당 털 덩

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C) addi GRAFTED VI.

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	1	CAC			А			CIG		O		999			×		TAT		
		GGC GTG CAC TCC GAC ATC			Ħ			CIC		E		ACA	TGI		Ħ		GCA ACT		
	1	200			m			TCA		Ħ		CAT			ধ				
	າ້	PCA PCA		ñ	Ø	, N		CGT	è	н	'n	TIG	AAC	3,	[±4	'n	TIC		3,

FIG. 8 continued

AGA TCT AAC
3' 5'

D) aD11 GRAFTED VH

N .	Geg	ñ	e ř	GCT	Ĭ	z	, , ,	ATG	TAC	ហ	ei m	ţ	ر م ر
A.	CGA		Z	TGG		O.	ř		GII		A	į	S S
υ	TGC		٨	GIIC		ц		TIA	AAT		M	į.	TAC
വ	AGC		ರು	GGA		×	5	TAC	ATG		et.		CGA
н	CTC		ರು	GGA		ď	4	GCT CT	CGA		H		ATA
p	000		Δ	GIG		E	ě	ACA	TGI		ы		GAG
ы	CTG GAC		×	TGG		Z		AAC	TIG		E	i i	ე ე.ჳ
CΩ	TCC		M	GAG		M		AAG	TIC		മ	;	AGA
O	8 55		ы	CIG		ಭ			AGG		ζŒ		50T
Ö	GGA		O	GGT		z			TIG		Ø		9 2 1
ρį	g		M	AAA		А			CIG		Ы		ATA
O.	CAG		O		CCT	ρ¢			gag		O		ී
^	GTG		p_4	CCA	CGA GGT H2AS	ß			TAG TCA	ro	O	999	g E
н	CTG		4	GCI		н				HAAS	A		CTG . H6AS
v	GGT		O E	CGA CAG	T GTC	E-I			AAG TGG	OLIGO	p4 ro	GCC AGA	origo Origo
	OLIGO HIS GGA GGT G		V R (CGA	8	E4				5	C A OLIGO 58	GCC	5 5 5 7 7
v ;			OLIC	GIL	CAA	R			GCI		or it		
M	TCA		3	TGG	PCC PCC	co.			AGG		×	TAC	
H	GAA		Z	AAC	TIG	×			TLL		M	TAC	
>	GTG		>		CAC	H			GAG		>	GIL	
п	CILG		×		TTA	Æ			CGA		a.	gcc	
Ø			×		TIG	ರಾ	1	Ę	AGT		E-1	GAA GAC ACA	
>	GTG		×		THE	z	1	AAT	TTA		А	GAC	
bd	GGC GCG CAC TCC GAG GTG CAG		H		TGG	×		TAC	ATG TTA		M	GAA	
	722		ы		GAT	А		GAT	CTA		æ	GCT	
	CAC		ro		AGT	E			TGI		R	CGC	
	929		Ē4		CCG AAG	Ø		GGA GCC	כפש		ы	CIG	
	255		ರು		500	ტ			CCT		හා	AGT	
i	PG P	m	or in		AGA 3'	ರು	ν,	GGI		m	N .	AAC	ň

FIG. 8 continued

ACC CCA GIT CCT TGA GAC CAG TGG CAG AGG AGT 3'

П

FIG. 8 continued

B) OLIGOS TO SYNTHESIZE aD11 VL

ACA GGC GTG CAC TCC GAC ATC CAG ATG ACC CAG TCT CCA TCT TCC CTG TCT GCA TCT GTG GGA GAC CGC GTC ACC ATC

TCG ACA TGT GAT GGT GAC GCG GTC TCC CAC TGC GITC CITC ACT CTG ATA CCA TGC TAA AGC ATT ATA AAT OLIGO LASS TGG CTT CTG (

SS GIC TIG CAT ACA GGG TAT AAT ACA GAT ACC CTG ATC CIC CCT AAG ECT C AAA 999 CCA CAG CAG AAG OLIGO L3S GCA TGG TAT C

TGG GAC CCC TGT ATG CAA TGA TCG GAA ACT ggg TGT ACC AGA TCC ACT GIC ATA AGT GAG TAT CGT OLIGO LAAS

CAG CAC TAT TTC CAT TAT CCT IGI TIC TAT TIC GCA ACT GAA GAT CAA CCT CIG ACT CTC ACG ATA AGC AGC

CTA CTC ACG TIT GAT CTC CAC CTT GGT CCC TTG ACC GAA CGT CCG AGG ATA ATG GAA ATA GTG ATT OLIGO LEAS

OLIGOS TO SYNTHESIZE ad11 VH F) OLIGO HIS

ACA GGC GCG CAC TCC GAG GTG CAG CTG GTG GAA TCA GGA GGT GGT CTG GTG CAG CCC GGA GGG TCC CTG CGC CTC AGC

OLIGO H2AS

GTT

GIL

TCC TGG AGC CTG TCG AAC CCA GTT CAC ATT

GGT TAG TGA GAA GCC AGA GGC AGC GCA GCT GAG GCG CAG GGA CCC

CTG GAG TGG GTG GGA GGA GTC TGG GCT GGT GGA GCC ACA GAT TAC AAT TCA GGT GGA AAA CCA CGA CAG GCT AAC TGG GTT

TCC CIT GGA GIT GIC GCG ACT GAT GGT GAA TCG GGA TIT GAG AGC TGA AIT GIA AIC TGT GGC GILL GTA AGC TGT OLIGO H4AS

GAA GAC ACA GCC GTT TAC TAC TGT GCC AGA GAC GGG GGC CIG CGC GCI CAA ATG AAC AGT TTA TAC GCT AAG AAC ACA

OLIGO H58

GGC GAC CAG AGT TCC TIG ACC CCA GGC AIC CAI AGC AIA GAG GGI AGA GCI GCI AIA GCC CCC GIC TCT GGT OLIGO HEAS TGA GGA GAC

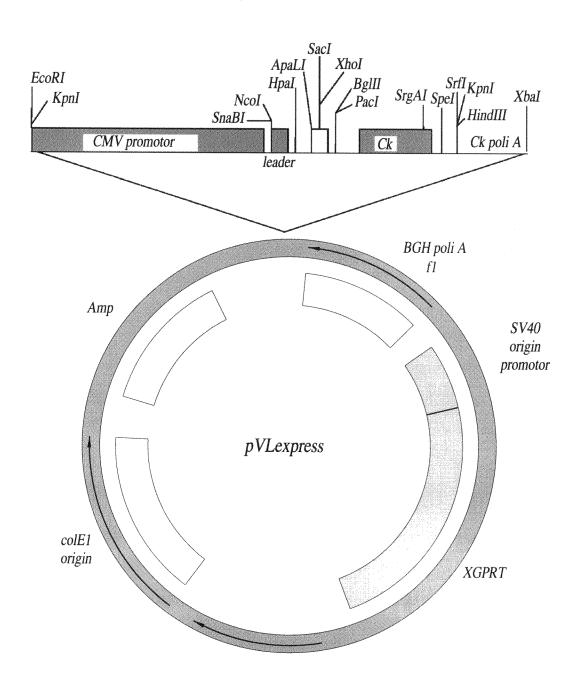


FIG. 9A

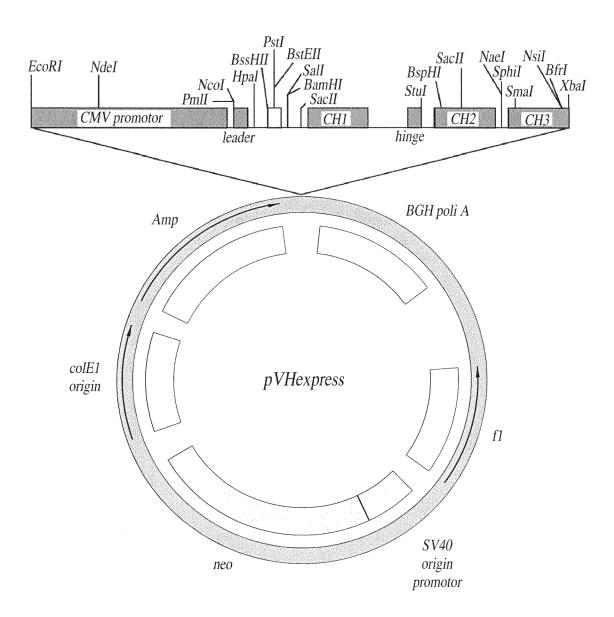


FIG. 9B

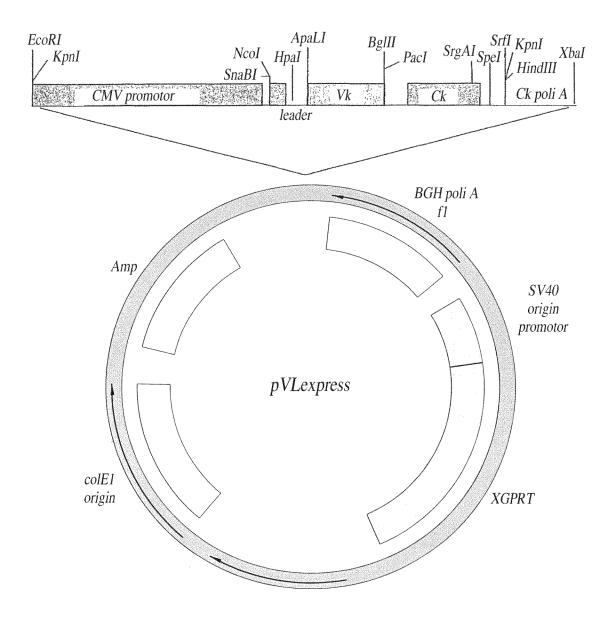


FIG. 9C

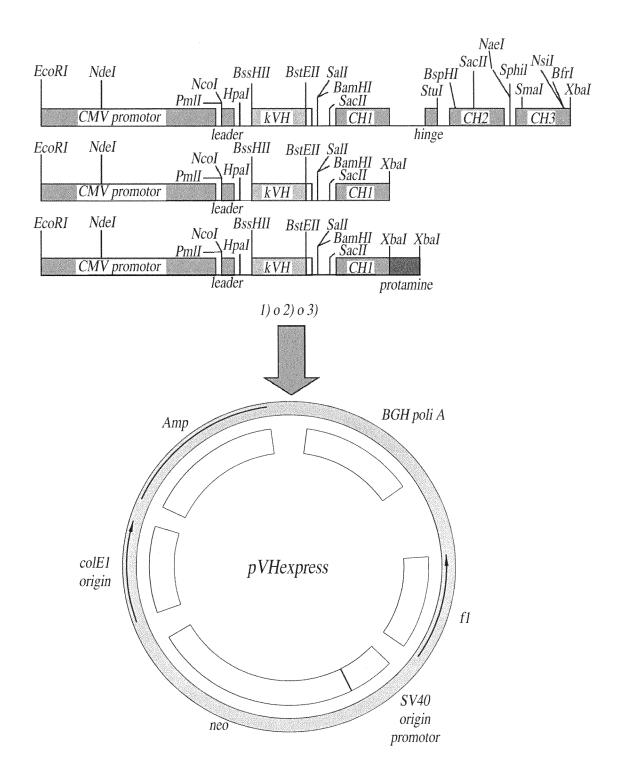


FIG. 9D

Supernatants of transfected COS cells

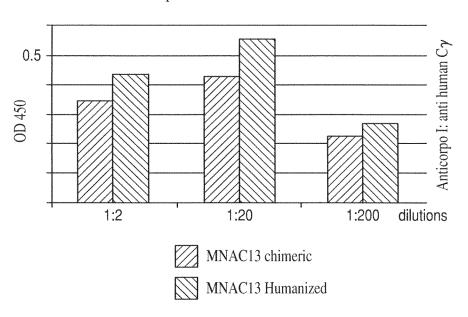
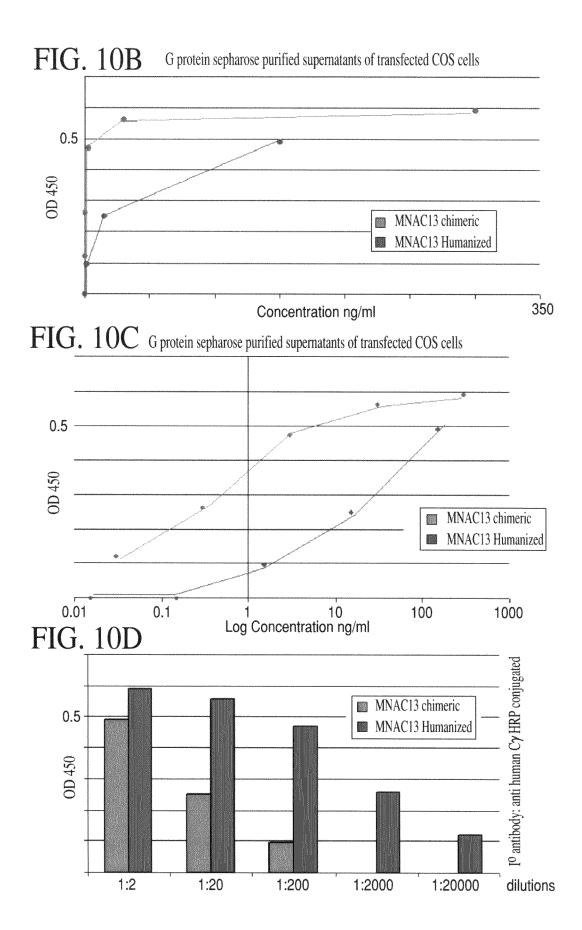


FIG. 10A



BINDING ACTIVITY TOWARDS NGF

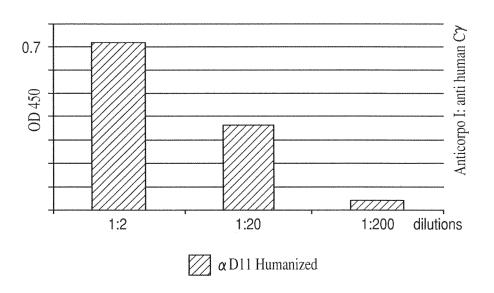


FIG. 11